ST. ANTHONY FALLS (SAF) BASIN CHECKLIST							
Project No. Designer			 Date				
Reviewer	Date						
SAF BASIN DESIGN VALUES	TRIAL	FINAL TRIAL	DIMENSIONS OF ELEMENTS	TRIAL	FINAL TRIAL	DIMENSIONS OF ELEMENTS	TRIAL
Туре	CHUTE BLOCK				BAFFLE BLOCK		
Flare (z:1)			Height, h <sub>1</sub>			Height, h <sub>3</sub>	
Width, W <sub>B</sub>			Width, W <sub>1</sub>			Width, W <sub>3</sub>	
Depression, B <sub>d</sub>			Spacing, W <sub>2</sub>			Spacing, W <sub>4</sub>	
$S_S = S_T$			Block No., N <sub>C</sub>			Block No., N <sub>B</sub>	
Depth, d <sub>o</sub>	END SILL					SIDE WALL	
Velocity, Vo			Height, h <sub>4</sub>			Height, h <sub>5</sub>	
$B_o = d_o + V_o^2 / 2g$				l	ı	JI	
Depth, d <sub>1</sub>							
Velocity, V <sub>1</sub>							
Fr <sub>1</sub>							
$d_j$							
$L_{\rm B}$							
$d_2$							
$L_{S}$							

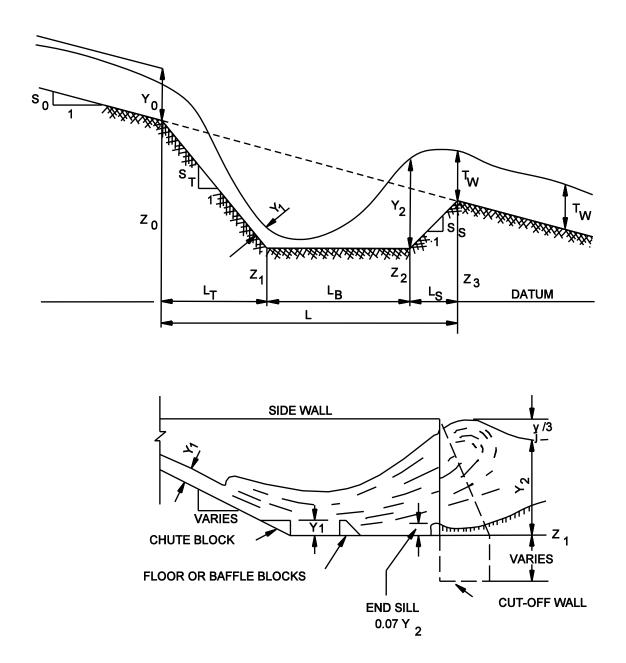
 $L_{T} = B_{d} / S_{T}$ 

 $L = L_B + L_S + L_T$ 

 $B_d = LS_o + TW$ 

FINAL

TRIAL



ST. ANTHONY FALLS BASIN DETAILS